

**Amendments to the Abstract**

Replace the abstract with the following replacement abstract:

~~The present invention relates to the field of~~ A blood purification ~~devices having~~ device has a blood purification element ~~(1)[[,]]~~ divided into two chambers by a semipermeable membrane ~~(2), whose~~ with a first chamber ~~(3) is as~~ part of a dialysis fluid loop and ~~whose a~~ second chamber ~~(4) is as~~ part of an extracorporeal blood loop. ~~The present invention allows~~ By virtue of an analysis unit operatively connected to a sensor in the dialysis fluid loop, the device provides simple and uncomplicated determination of the blood purification performance of the blood purification element for a second material~~[[,]]~~ ~~which is derived by derivation~~ from a previously established blood purification performance for a first material~~[[,]]~~ ~~which deviates therefrom~~. In this way, the blood treatment device ~~according to the present invention~~ also allows ~~the determination of~~ determines the blood concentration of the second material during the blood treatment through measurements in the dialysis fluid without intervention in the treatment sequence~~[[,]]~~ ~~which was not possible with previous methods~~.

~~Drawing~~

For the examiner's convenience, a clean text version of the replacement Abstract (119 words) is presented below:

A blood purification device has a blood purification element divided into two chambers by a semipermeable membrane, with a first chamber as part of a dialysis fluid loop and a second chamber as part of an extracorporeal blood loop. By virtue of an analysis unit operatively connected to a sensor in the dialysis fluid loop, the device provides simple and uncomplicated determination of the blood purification performance of the blood purification element for a second material by derivation from a previously established blood purification performance for a first material. In this way, the device also determines the blood concentration of the second material during the blood treatment through measurements in the dialysis fluid without intervention in the treatment sequence.